

**UNITED STATES DISTRICT COURT
DISTRICT OF NEVADA**

SPECTRUM PHARMACEUTICALS, INC.)
and UNIVERSITY OF STRATHCLYDE,)

Case No.: 2:12-cv-00111-GMN-NJK

Plaintiffs,
)

VS.)

ORDER

SANDOZ INC.,

Defendant.)

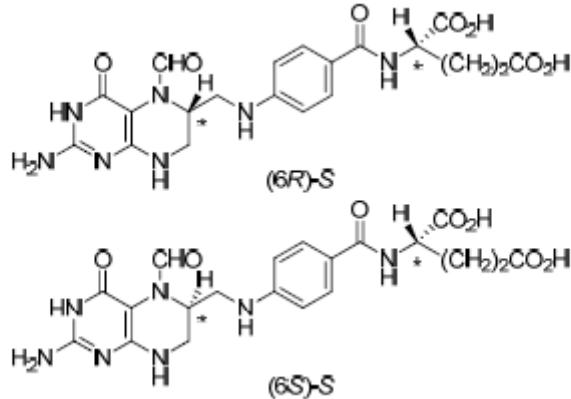
Defendant.

Pending before the Court is the Motion for Summary Judgment (ECF No. 230) filed by Defendant Sandoz Inc. (“Defendant”). Also before the Court is the Motion for Summary Judgment (ECF No. 236) filed by Plaintiffs Spectrum Pharmaceuticals, Inc. and University of Alberta (collectively, “Plaintiffs”). Both motions are fully briefed. For the reasons discussed below, Defendant’s Motion for Summary Judgment is **GRANTED**, and Plaintiffs’ Motion for Summary Judgment is **GRANTED in part and DENIED in part**.

I. BACKGROUND

5-formyl-(6R,S)-tetrahydrofolic acid is the chemical name for a compound more commonly known as leucovorin. This compound has been used since the 1950s to prevent the toxic side-effects of methotrexate, a commonly used chemotherapy agent. U.S. Patent No. 6,500,829 col.1 ll.22–24 (filed Apr. 18, 1995). Essentially, leucovorin protects the patient’s healthy cells while still allowing the methotrexate to kill the cancerous cells. *Id.* at col.1 ll.24–29. Without leucovorin, methotrexate would also kill many of the patient’s healthy cells. *Id.* This use of leucovorin is known as “methotrexate rescue.” *Id.* at col.1 ll.24–29.

1 As the name suggests, 5-formyl-(6R,S)-tetrahydrofolic acid contains an asymmetric (or
 2 chiral) center at the 6 carbon. *Id.* at col.1 ll.34–35.



9 This chiral center causes leucovorin to exist as a 50-50 mixture of two diastereoisomers
 10 denoted as the “6R” isomer and the “6S” isomer. *Id.* However, only the 6S isomer, known as
 11 “levoleucovorin,” is the effective methotrexate rescue agent. *Id.* at col.1 ll.57–61. For this
 12 reason, scientists began attempting to separate the 6S isomer from the 6R isomer to enable
 13 administration of a higher dosage of the effective 6S isomer. Although other scientists have
 14 previously discovered methods of synthesis or isolation, these methods either produced low
 15 yields or failed to achieve reasonable purity. *See id.* at col.2 ll.13–23.

16 In response to the shortcomings of the prior art methods of separating and purifying
 17 levoleucovorin, a team of researchers from Plaintiff University of Strathclyde filed a patent
 18 application, which eventually issued as the '829 Patent. Specifically, the '829 Patent discloses
 19 “substantially pure” levoleucovorin compositions, which have “most preferably greater than
 20 95%” of the (6S) isomer. *Id.* at col.4 ll.26–29. The '829 Patent describes that substantially pure
 21 6R and 6S samples can be achieved in good yield by introducing a “chiral auxiliary group into
 22 tetrahydrofolate or a tetrahydrofolate derivative” close to the chiral center the 6 carbon. *Id.*
 23 col.2, ll.24–29. The '829 Patent further discloses that “[t]he pair of new diastereoisomers so
 24 created [could] be separated by standard techniques such as crystallisation, chromatography,
 25 solvent extraction and similar methods.” *Id.* col.3 ll.42–45. The chosen method of purification

1 can be repeated to improve purity. *Id.* col.3 ll.54–56. “Conveniently the step may be repeated
 2 until the recovered new diastereoisomer has a purity greater than 90%.” *Id.* col.3 ll.56–58.

3 After filing a New Drug Application (“NDA”) with the FDA, Plaintiff Spectrum
 4 Pharmaceuticals, Inc. received approval to market this substantially pure form of
 5 levoleucovorin under the trade name “Fusilev®.” The FDA approved Fusilev® “to treat
 6 patients diagnosed with advanced metastatic colorectal cancer . . . to effect ‘methotrexate
 7 rescue.’” (Pls.’ Claim Construction Br. 4:2–4, ECF No. 49).

8 In 2011, Defendant Sandoz filed an Abbreviated New Drug Application (“ANDA”) with
 9 the FDA, pursuant to 21 U.S.C. § 355(j), seeking to market a proposed generic version of
 10 Fusilev®. Defendant proposed products consisting of Levoleucovorin Calcium Injection in
 11 quantities of 175 mg/17.5 mL and 250 mg/25 mL. (Ex. 3 to Decl. of John R. Lanham at 2, ECF
 12 No. 233–3). As required by section 355(j)(2)(A)(vii), Defendant certified in its ANDA that the
 13 manufacture, use, or sale of its generic version of Fusilev® would not infringe any valid,
 14 enforceable claim of any patent that covers Fusilev®. In addition, as required by
 15 section 355(j)(2)(B)(iii), Defendant provided notice of its ANDA to the owner of the ’829
 16 Patent, Plaintiff University of Strathclyde, 21 U.S.C. § 355(j)(2)(B)(iii)(I), and to the holder of
 17 the approved NDA that is covered by the ’829 Patent, Plaintiff Spectrum Pharmaceuticals, 21
 18 U.S.C. § 355(j)(2)(B)(iii)(II). In response, Plaintiffs filed the instant action alleging
 19 infringement of the ’829 Patent. (Compl. ¶¶ 21–28, ECF No. 1.)

20 On December 31, 2013, this Court issued a Claim Construction Order (ECF No. 199).
 21 The Court construed the primary nine (9) disputed claim terms in the ’829 Patent as follows:

“mixture”	Plain and ordinary meaning
the “percentage” claim terms	Plain and ordinary meaning
“the balance of said composition consisting of the (6R) diastereoisomer”	the remaining amount of the mixture of (6S) and (6R) diastereoisomers is the (6R) diastereoisomers, and any impurities normally associated with the mixture of (6S) and (6R) diastereoisomers
“pharmaceutical composition for	a pharmaceutical composition suitable for treating

1	therapeutic use”	medical conditions
2	“pharmaceutical composition for preparing medicaments for therapeutic use for the treatment of human beings”	a pharmaceutical composition from which can be prepared a medicine suitable for treating medical conditions in human beings
3	“consists essentially of”	“the specified materials and those that do not materially affect the basic and novel characteristic(s) of the composition”
4	the “multiple dose” or “4,000 mg (4 grams)” claim terms	Plain and ordinary meaning; the pharmaceutical composition must contain enough of the (6S)/(6R) mixture to provide two or more doses of, at minimum, 2000 mg per dose of the mixture

Following claim construction, both parties filed the instant motions for partial summary judgment. Defendant asserts it is entitled to summary judgment of non-infringement of Claims 5–9 of the '829 Patent. (See Def.'s Mot. for Summ. J., ECF No. 229). Plaintiffs assert they are entitled to summary judgment of no invalidity in light of Rees 1986¹ and no inequitable conduct. (See Pls.' Mot. for Summ. J., ECF No. 236).

II. LEGAL STANDARD

The Federal Rules of Civil Procedure provide for summary adjudication when the pleadings, depositions, answers to interrogatories, and admissions on file, together with the affidavits, if any, show that “there is no genuine dispute as to any material fact and the movant is entitled to judgment as a matter of law.” Fed. R. Civ. P. 56(a). Material facts are those that may affect the outcome of the case. *See Anderson v. Liberty Lobby, Inc.*, 477 U.S. 242, 248 (1986). A dispute as to a material fact is genuine if there is sufficient evidence for a reasonable jury to return a verdict for the nonmoving party. *See id.* “Summary judgment is inappropriate if reasonable jurors, drawing all inferences in favor of the nonmoving party, could return a verdict in the nonmoving party's favor.” *Diaz v. Eagle Produce Ltd. P'ship*, 521 F.3d 1201, 1207 (9th Cir. 2008) (citing *United States v. Shumway*, 199 F.3d 1093, 1103–04 (9th Cir. 1999)). A

¹ Rees 1986 refers to the following article, Lilius Rees et al., *Asymmetric Reduction of Dihydrofolate Using Dihydrofolate Reductase and Chiral Boron-Containing Compounds*, 42 *Tetrahedron* 117 (1986).

1 principal purpose of summary judgment is “to isolate and dispose of factually unsupported
2 claims.” *Celotex Corp. v. Catrett*, 477 U.S. 317, 323–24 (1986).

3 In determining summary judgment, a court applies a burden-shifting analysis. “When
4 the party moving for summary judgment would bear the burden of proof at trial, it must come
5 forward with evidence which would entitle it to a directed verdict if the evidence went
6 uncontested at trial. In such a case, the moving party has the initial burden of establishing
7 the absence of a genuine issue of fact on each issue material to its case.” *C.A.R. Transp.*
8 *Brokerage Co. v. Darden Rests., Inc.*, 213 F.3d 474, 480 (9th Cir. 2000) (citations omitted). In
9 contrast, when the nonmoving party bears the burden of proving the claim or defense, the
10 moving party can meet its burden in two ways: (1) by presenting evidence to negate an
11 essential element of the nonmoving party’s case; or (2) by demonstrating that the nonmoving
12 party failed to make a showing sufficient to establish an element essential to that party’s case
13 on which that party will bear the burden of proof at trial. *See Celotex Corp.*, 477 U.S. at 323–
14 24. If the moving party fails to meet its initial burden, summary judgment must be denied and
15 the court need not consider the nonmoving party’s evidence. *See Adickes v. S.H. Kress & Co.*,
16 398 U.S. 144, 159–60 (1970).

17 If the moving party satisfies its initial burden, the burden then shifts to the opposing
18 party to establish that a genuine issue of material fact exists. *See Matsushita Elec. Indus. Co. v.*
19 *Zenith Radio Corp.*, 475 U.S. 574, 586 (1986). To establish the existence of a factual dispute,
20 the opposing party need not establish a material issue of fact conclusively in its favor. It is
21 sufficient that “the claimed factual dispute be shown to require a jury or judge to resolve the
22 parties’ differing versions of the truth at trial.” *T.W. Elec. Serv., Inc. v. Pac. Elec. Contractors*
23 *Ass’n*, 809 F.2d 626, 631 (9th Cir. 1987). In other words, the nonmoving party cannot avoid
24 summary judgment by relying solely on conclusory allegations that are unsupported by factual
25 data. *See Taylor v. List*, 880 F.2d 1040, 1045 (9th Cir. 1989). Instead, the opposition must go

1 beyond the assertions and allegations of the pleadings and set forth specific facts by producing
 2 competent evidence that shows a genuine issue for trial. *See Celotex Corp.*, 477 U.S. at 324.

3 At summary judgment, a court's function is not to weigh the evidence and determine the
 4 truth but to determine whether there is a genuine issue for trial. *See Anderson*, 477 U.S. at 249.
 5 The evidence of the nonmovant is "to be believed, and all justifiable inferences are to be drawn
 6 in his favor." *Id.* at 255. But if the evidence of the nonmoving party is merely colorable or is
 7 not significantly probative, summary judgment may be granted. *See id.* at 249–50.

8 **III. DISCUSSION**

9 **A. Defendant's Motion for Summary Judgment**

10 Defendant asserts it is entitled to summary judgment of non-infringement of Claims 5–9
 11 of the '829 Patent. Determining infringement requires a two-step analysis: (1) "the claim must
 12 be properly construed to determine its scope and meaning;" and (2) "the claim as properly
 13 construed must be compared to the accused device or process." *Glaxo, Inc. v. Novopharm, Ltd.*,
 14 110 F.3d 1562, 1565 (Fed. Cir. 1997). "To establish infringement of a patent, every limitation
 15 set forth in a claim must be found in an accused product or process exactly or by a substantial
 16 equivalent." *Becton Dickinson & Co. v. C.R. Bard, Inc.*, 922 F.2d 792, 796 (Fed. Cir. 1990)
 17 (citing *Corning Glass Works v. Sumitomo Elec. U.S.A., Inc.*, 868 F.2d 1251, 1259 (Fed. Cir.
 18 1989)). Therefore, Defendant can carry its initial burden "by pointing out that the patentee
 19 failed to put forth evidence to support a finding that a limitation of the asserted claim was met
 20 by the structure in the accused devices." *Johnston v. IVAC Corp.*, 885 F.2d 1574, 1578 (Fed.
 21 Cir. 1989). If Defendant satisfies this burden, the burden shifts to Plaintiffs, the nonmovant, to
 22 establish the existence of a genuine issue of material fact by "produc[ing] specific evidence . . .
 23 to show that the dispute exists." *See Bhan v. NME Hospitals*, 929 F.2d 1404, 1409 (9th Cir.
 24 1991).

25 // /

1. Literal Infringement

“To establish literal infringement, every limitation set forth in a claim must be found in an accused product, exactly.” *Southwall Techs., Inc. v. Cardinal IG Co.*, 54 F.3d 1570, 1575 (Fed. Cir. 1995) (citing *Becton Dickinson*, 922 F.2d at 796). “Under [35 U.S.C.] § 271(e)(2)(A), a court must determine whether, if the drug were approved based upon the ANDA, the manufacture, use, or sale of that drug would infringe the patent in the conventional sense.” *Glaxo*, 110 F.3d at 1569. Therefore, if a single claim limitation is not present in a proposed ANDA product, that product cannot literally infringe the claim. *See Glaxo Wellcome, Inc. v. Impax Labs., Inc.*, 356 F.3d 1348, 1351 (Fed. Cir. 2004).

Here, Defendant asserts that it cannot literally infringe Claims 5-9 under the Court’s Claim Construction Order because its proposed “ANDA product will not be made, used, offered for sale, or sold within the United States, or imported into the United States as a composition for providing two or more doses of the claimed mixture of (6S) and (6R) diastereoisomers in an amount of at minimum 2,000 mg per dose.” (Def.’s Mot. for Summ. J. 12:15–13:6). Specifically, Defendant asserts that, because its proposed ANDA products contain either 175 mg/17.5 mL or 250 mg/25 mL of levoleucovorin calcium injection, its proposed ANDA products do not provide enough of the (6S) and (6R) diastereoisomers to provide an amount of 2000 mg per dose. (*Id.* 13:7–24).

On the other hand, Plaintiffs argue that Defendant “will infringe Claim 5 with each act of importation into the United States of a sufficient number of its vials which together ‘contain[] enough of the (6S)/(6R) mixture to provide two or more doses of, at minimum, 2000 mg per dose of the mixture.’” (Pls.’ Resp. n.5, 8:24–26).

The claim limitations at issue are “said composition being of a quantity at least sufficient to provide multiple doses of said mixture of (6S) and (6R) diastereoisomers in an amount of 2000 mg per dose.” *See* U.S. Patent No. 6,500,829 col.9 ll.55, 63–64. This Court construed

1 these limitations as follows:

2 Thus, after looking first to the words of the claim and then the
3 remaining parts of the intrinsic record, the Court finds that a person
4 of ordinary skill in the art of organic chemistry would understand the
5 phrase “said composition being of a quantity at least sufficient to
6 provide multiple doses of said mixture of (6S) and (6R)
7 diastereoisomers in an amount of 2000 mg per dose,” as used in
8 the ’829 Patent, to have its plain and ordinary meaning. The words
9 of the claims and the remaining parts of the specification do not
10 support the construction asserted by either party. Rather, “said
11 composition being of a quantity at least sufficient to provide
12 multiple doses of said mixture of (6S) and (6R) diastereoisomers in
13 an amount of 2000 mg per dose” simply requires that the
14 pharmaceutical composition contains enough of the (6S)/(6R)
15 mixture to provide two or more doses of, at minimum, 2000 mg per
16 dose of the mixture.

17 (Ct.’s Claim Construction Order 31:20–32:4). Comparing Defendant’s proposed ANDA
18 products to Claim 5 as construed by the Court, the Court finds that Defendant’s proposed
19 ANDA products do not literally infringe Claims 5–9 of the ’829 Patent because neither product
20 contains enough of the (6S)/(6R) mixture to provide two or more doses of, at minimum, 2000
21 mg per dose of the mixture. Accordingly, Plaintiffs never asserted that Defendant’s individual
22 vials infringed Claims 5–9 of the ’829 Patent. (Pls.’ Resp. n.2, 7:27).

23 Although Plaintiffs attempt to establish literal infringement by asserting that an
24 aggregation of Defendant’s proposed ANDA products literally infringe Claim 5, Plaintiffs do
25 not cite any case law to support this theory. Additionally, the Court could not find case law
supporting Plaintiffs’ aggregation theory. Therefore, the Court finds that a genuine issue of
material fact does not exist regarding literal infringement of Claims 5–9 of the ’829 Patent, and
accordingly, Defendant is entitled to summary judgment of no literal infringement of Claims 5–
9.

26 / / /

2. Doctrine of Equivalents

“Under the doctrine of the equivalents, ‘a product or process that does not literally infringe ... the express terms of a patent claim may nonetheless be found to infringe if there is ‘equivalence’ between the elements of the accused product or process and the claimed elements of the patented invention.”” *Duramed Pharm., Inc. v. Paddock Labs., Inc.*, 644 F.3d 1376, 1380 (Fed. Cir. 2011) (quoting *Warner-Jenkinson Co. v. Hilton Davis Chem. Co.*, 520 U.S. 17, 21 (1997)). The Supreme Court has recognized at least two legal limitations on applying the doctrine of equivalents: (1) the “all-elements rule,” which bars a patentee from asserting a theory of equivalence that would entirely vitiate a particular claim element; and (2) prosecution history estoppel, which bars a patentee from asserting a scope of equivalency surrendered during prosecution. *DePuy Spine, Inc. v. Medtronic Sofamor Danek, Inc.*, 567 F.3d 1314, 1323 (Fed. Cir. 2009) (citing *Warner-Jenkinson*, 520 U.S. at 39 n. 8). Moreover, when a patentee discloses but does not claim subject matter, the unclaimed subject matter is disclosed to the public. *Johnson & Johnson Assocs. Inc. v. R.E. Serv. Co., Inc.*, 285 F.3d 1046, 1054 (Fed. Cir. 2002). These limitations are questions of law to be determined by the Court. *Id.*

The “all-elements rule” provides that “[a] court may not apply the doctrine of equivalents where so doing would effectively eliminate a claim element in its entirety.” *Wavetronix LLC v. EIS Elec. Integrated Sys.*, 573 F.3d 1343, 1360 (Fed. Cir. 2009) (citing *Warner-Jenkinson*, 520 U.S. at 29). However, the Federal Circuit has warned that an overly broad application of the all-elements rule may improperly “swallow the doctrine of equivalents” entirely and limit infringement to a “repeated analysis of literal infringement.” *Ethicon Endo-Surgery, Inc. v. U.S. Surgical Corp.*, 149 F.3d 1309, 1317 (Fed. Cir. 1998).

Defendant asserts that the “all-elements rule” applies because application of the doctrine of equivalents would “vitiate claim 5’s limitation of ‘multiple doses of said mixture ... in an amount of 2000 mg per dose’ by disregarding the weight claimed as well as completely

1 ignoring the ‘per dose’ requirement.” (Def.’s Mot. for Summ. J. 19:26–20:1). The Court finds
 2 this argument unavailing. First, the “per dose” requirement would not be ignored. Defendant
 3 concedes that its proposed ANDA product will provide doses. (Def.’s Mot. for Summ. J. 6:12–
 4 14 (“Sandoz’s ANDA product will be imported and sold in ready-to-use, single-use vials of
 5 only 175 mg or 250 mg, indicated for doses of 7.5 to 75 mg per dose.”)). Second, a difference
 6 in weight value does not foreclose the application of the doctrine of equivalents. *See Adams*
 7 *Respiratory Therapeutics, Inc. v. Perrigo Co.*, 616 F.3d 1283, 1292 (Fed. Cir. 2010) (“The
 8 recitation of a specific numerical value does not by itself foreclose the application of the
 9 doctrine of equivalents . . . [and] [t]he addition of ‘at least’ . . . does not change this analysis.”).
 10 Rather, the “proper inquiry is whether the accused value is insubstantially different from the
 11 claimed value.” *Id.* Therefore, the “all-elements rule” does not preclude the application of the
 12 doctrine of equivalents.

13 Additionally, the doctrine of equivalents can be limited by the public disclosure rule.
 14 Specifically, “when a patent drafter discloses but declines to claim subject matter . . . this action
 15 dedicates that unclaimed subject matter to the public.” *Johnson & Johnson*, 285 F.3d at 1054.
 16 Therefore, “[a]pplication of the doctrine of equivalents to recapture subject matter deliberately
 17 left unclaimed would ‘conflict with the primacy of the claims in defining the scope of the
 18 patentee’s exclusive right.’” *Id.* (quoting *Sage Prods. Inc. v. Devon Indus., Inc.*, 126 F.3d 1420,
 19 1424 (Fed. Cir. 1997)).

20 Defendant argues that the public disclosure rule precludes the application of the doctrine
 21 of equivalents because specification of the ’829 Patent “reveals that the applicants knew of
 22 dosages in amounts similar to Sandoz’s ANDA product, but chose not to claim them.” (Def.’s
 23 Mot. for Summ. J. 20:4–5). However, this argument is misplaced. As the Court clarified in its
 24 Claim Construction Order, Claim 5 simply requires “that the pharmaceutical composition
 25 contains enough of the (6S)/(6R) mixture to provide two or more doses of, at minimum, 2000

1 mg per dose of the mixture.” (32:3–4, ECF No. 199) (emphasis added). Claim 5 recites a
2 product, not a use. The pertinent portion of the specification discloses “[w]hen used as a
3 methotrexate rescue agent dosage of the 6S diastereoisomer of leucovorin will depend inter alia
4 on the amount of methotrexate administered; however a typical daily dose is generally up to
5 150 mg. e.g. in the range from 25 to 150 mg, which is conveniently administered in divided
6 dose.” U.S. Patent No. 6,500,829 col.5 ll.15–21. This portion of the specification discloses a
7 use. Therefore, the fact that the applicants knew of and disclosed a use of the pharmaceutical
8 composition to administer dosages in amounts similar to Defendant’s ANDA product is
9 irrelevant to the product recited in Claim 5 and does not preclude the application of the doctrine
10 of equivalents.

11 Prosecution history estoppel bars the application of the doctrine of equivalents to
12 recapture subject matter that was surrendered during prosecution. *Hilgraeve Corp. v. McAfee*
13 *Assocs., Inc.*, 224 F.3d 1349, 1355 (Fed. Cir. 2000). “There are two distinct theories that fall
14 under the penumbra of prosecution history estoppel—amendment-based estoppel and
15 argument-based estoppel.” *Deering Precision Instruments, L.L.C. v. Vector Distrib. Sys., Inc.*,
16 347 F.3d 1314, 1324–25 (Fed. Cir. 2003) (citing *Elkay Mfg. Co. v. Ebcos Mfg. Co.*, 192 F.3d
17 973, 979 (Fed. Cir. 1999)).

18 As to argument-based estoppel, “the prosecution history must evince a clear and
19 unmistakable surrender of subject matter.” *Conoco, Inc. v. Energy & Env'l. Int'l, L.C.*, 460 F.3d
20 1349, 1363 (Fed. Cir. 2006) (citing *Deering Precision*, 347 F.3d at 1326). *See also Read Corp.*
21 *v. Portec, Inc.*, 970 F.2d 861, 824 (Fed. Cir. 1992) (“Every statement made by a patentee
22 during prosecution to distinguish a prior art reference does not create a separate estoppel.
23 Arguments must be viewed in context.”). “The relevant inquiry is whether a competitor would
24 reasonably believe that the applicant had surrendered the relevant subject matter.” *Conoco,*
25 *Inc.*, 460 F.3d at 1363 (quoting *Cybor Corp. v. FAS Techs., Inc.*, 138 F.3d 1448, 1457

1 (Fed.Cir.1998) (en banc)).

2 Plaintiffs assert that argument-based estoppel should not apply because “[t]he only
 3 statement made by the applicants was too vague to constitute ‘clear and unmistakable surrender
 4 of subject matter.’” (Pls.’ Resp. 25:5–6). The pertinent statement made by the applicants
 5 provides as follows:

6 Claims 27, 29–31 filed herewith correspond to claims pending in the
 7 parent application of this case. New claims 32–41 were discussed
 8 during the interview in the parent case of this application. **These
 9 claims include specific limitations as to quantities of materials;
 forms of the materials and the process employed to prepare the
 materials.**

10 (*Id.* 25:9–11 (quoting Ex. 13 to Decl. of Amanda K. Antons at 5, ECF No. 253–13)).²

11 Additionally, Plaintiffs assert “[n]owhere in the voluminous file history did the applicants argue
 12 the quantity limitation as a basis to overcome a rejection premised on Rees 1986.” (*Id.* 25:12–
 13). However, review of the file history provides otherwise.

14 In an Office Action dated March 7, 1996, the examiner of the ’829 Patent application
 15 rejected Claims 27, 29, and 32–41 under 35 U.S.C. § 102(b) as anticipated by or, in the
 16 alternative, under 35 U.S.C. § 103 as obvious over Rees 1986. (Ex. 13 to Decl. of John R.
 17 Lanham at 25, ECF No. 233–13). In an Appeal Brief dated March 10, 1997, applicants argued
 18 that “Claims 32–41 include more stringent quantity limitations than Claims 27 and 29 and are
 19 thus further patentably distinguish[ed] over Rees [1986].” (*Id.* at 53). Applicants further argued
 20 “[o]n the other hand, the Rees et al. article produced (6S) leucovorin in a quantity of less than
 21 one gram,” and “[q]uantity limitations have previously been recognized as forming a portion of
 22 a pharmaceutical ‘invention as a whole’.” (*Id.* at 54). Applicants went on to assert that “[t]he
 23 quantity limitations set forth in the claims of this application define an aspect of the invention
 24 that is of great practical significance.” (*Id.* at 55). Applicants concluded, stating “Rees et al. do

25 ² Claim 27 eventually issued as Claim 1 of the ’829 Patent. Likewise, Claims 32–41 issued as Claims 5–14.

1 not teach, suggest, or otherwise render obvious the claimed compositions in the quantity
 2 specified by Claims 27 and 29, or by Claims 32–41.” (*Id.* at 56).

3 The Court finds these arguments made before the examiner to demonstrate patentability
 4 over Rees 1986 evince a clear and unmistakable surrender of subject matter covering
 5 pharmaceutical composition quantities less than what is required to provide two or more doses
 6 of, at minimum, 2000 mg per dose of the mixture. This clear and unmistakable surrender of
 7 subject matter precludes infringement of Claims 5–9 under the doctrine of equivalents.
 8 Therefore, because the Court finds that a genuine issue of material fact does not exist regarding
 9 literal or equivalent infringement of Claims 5–9, the Court grants summary judgment of non-
 10 infringement of Claims 5–9.

11 **B. Plaintiffs’ Motion for Summary Judgment of No Invalidity**

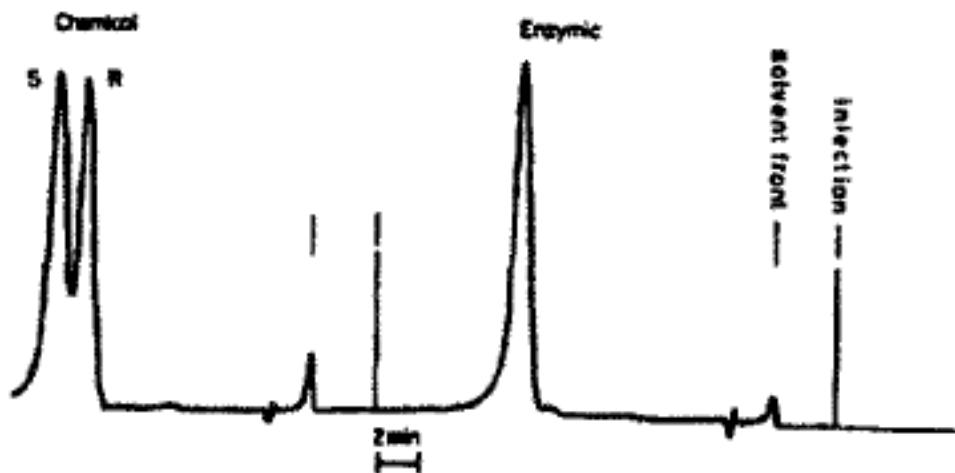
12 Plaintiffs assert it is entitled to summary judgment of no invalidity in light of Rees 1986.
 13 Under 35 U.S.C. § 282, a patent is presumed valid. Because issued patents enjoy a
 14 presumption of validity, the party seeking to establish invalidity bears the burden of proving
 15 invalidity by clear and convincing evidence. *Microsoft Corp. v. i4i Ltd. P'ship*, 131 S.Ct. 2238,
 16 2244–52 (2011). “A single prior art reference that discloses, either expressly or inherently,
 17 each limitation of a claim invalidates that claim by anticipation.” *Perricone v. Medicis Pharm.*
 18 *Corp.*, 432 F.3d 1368, 1375 (Fed. Cir. 2005) (citing *Minn. Mining & Mfg. Co. v. Johnson &*
 19 *Johnson Orthopaedics, Inc.*, 976 F.2d 1559, 1565 (Fed. Cir. 1992)). Additionally,
 20 “[a]nticipation requires clear and convincing proof that a single prior art reference ‘not only
 21 disclose[s] all of the elements of the claim within the four corners of the document, but ... also
 22 disclose[s] those elements arranged as in the claim.’” *Cheese Sys., Inc. v. Tetra Pak Cheese &*
 23 *Powder Sys., Inc.*, 725 F.3d 1341, 1351 (Fed. Cir. 2013) (quoting *Net MoneyIN, Inc. v.*
 24 *VeriSign, Inc.*, 545 F.3d 1359, 1369 (Fed. Cir. 2008)). Whether a patent claim is invalid as
 25 anticipated is a question of fact. *IPXL Holdings, L.L.C. v. Amazon.com, Inc.*, 430 F.3d 1377,

1 1380 (Fed. Cir. 2005).

2 Plaintiffs assert that Rees 1986 did not anticipate the '829 Patent claims because "a
3 pharmaceutical composition" and "a mixture of (6S) and (6R) diastereoisomers," which are
4 elements recited in each independent claim of the '829 Patent, were not disclosed in Rees 1986.
5 (Pls.' Mot. for Summ. J. 17:3–6).

6 **1. Rees 1986**

7 One dispute among the parties involves the interpretation of two figures within Rees
8 1986. The first figure, Figure 1b, provides the "Hplc analysis of Tetrahydrofolate derivative
9 diastereoisomers:"



19 **Figure 1b** Hplc analysis of Tetrahydrofolate derivative
20 diastereoisomers

21
22
23
24 (Ex. 4 to Decl. of Amanda K. Antons at 4, ECF No. 237–4). The second figure, Figure 2,
25 provides the "250 MHz nmr of derivatised Tetrahydrofolate diastereoisomers."

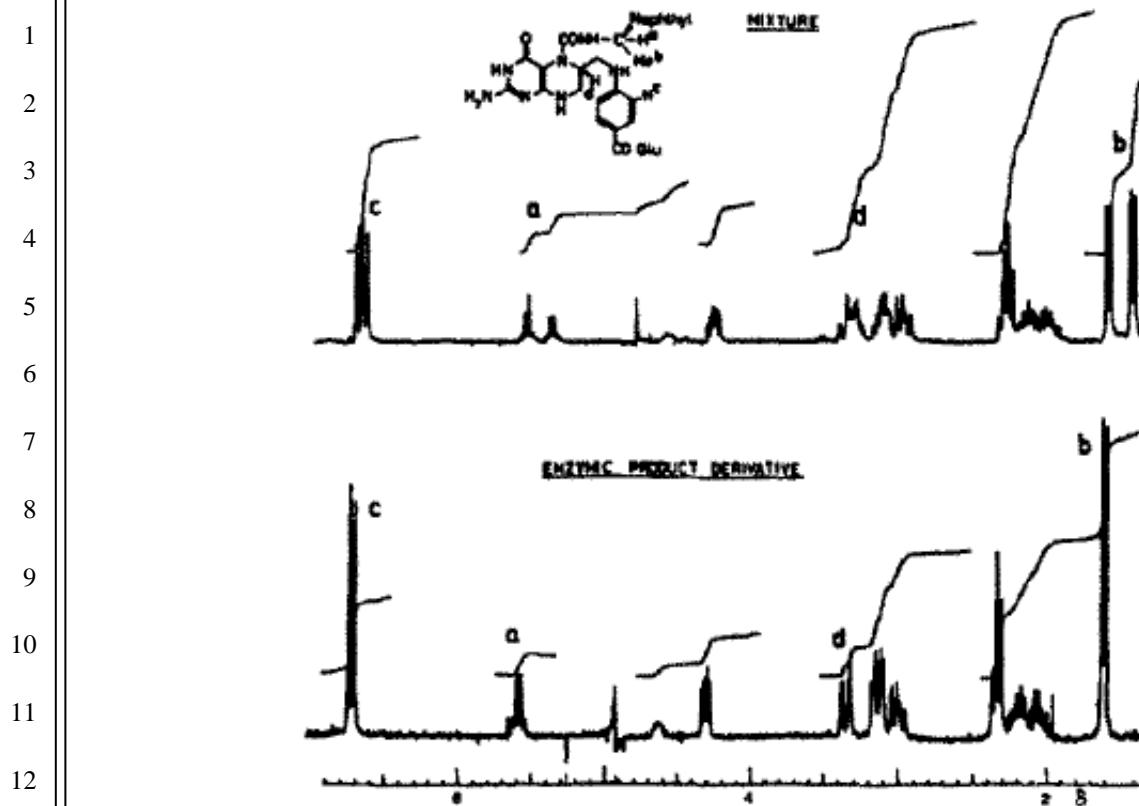


Figure 2 250 MHz nmr of derivatised Tetrahydrofolate diastereoisomers

(*Id.*).

2. “A pharmaceutical composition”

Plaintiffs assert that Rees 1986 did not disclose “a pharmaceutical composition” because “[n]o pharmaceutical composition was prepared” and Defendant’s “anticipation ‘evidence’ consists solely of a tenuous assertion that because Rees 1986 referred to leucovorin as being used as a drug, it somehow therefore disclosed a levoleucovorin pharmaceutical product.” (Pls.’ Mot. for Summ. J. 17:11–18).

However, Defendant argues that Rees 1986 discloses “a pharmaceutical composition” because, although “the Rees 1986 authors did not actually *make* a pharmaceutical composition,” “Rees 1986 disclosed that its techniques made ‘the possibility of synthesizing chiral 5-formyltetrahydrofolate (leucovorin) for use in cancer rescue therapy attainable.’” (Def.’s Resp. at 18–19 (quoting Ex. 4 to Decl. of Amanda K. Antons at 2, ECF No. 237–4)).

1 Additionally, Defendant quotes Federal Circuit case law for the proposition that “anticipation
 2 does not require actual performance of suggestions in a disclosure. Rather, anticipation only
 3 requires that those suggestions be enabled to one of skill in the art.” (*Id.* at 18 (quoting *Novo
 4 Nordisk Pharm., Inc. v. Bio-Tech. Gen. Corp.*, 424 F.3d 1347, 1355 (Fed. Cir. 2005))).
 5 Defendant additionally contends that Rees 1986 discloses using calcium leucovorin to treat
 6 humans for methotrexate rescue, and “[b]ecause Rees 1986 encouraged the creation of a
 7 pharmaceutical composition, that pharmaceutical composition was in the public’s possession.”
 8 (*Id.*).

9 The Court finds that factual issues remain about whether Rees 1986 discloses “a
 10 pharmaceutical composition.” However, this finding alone does not preclude summary
 11 judgment because Plaintiffs also contend that Rees 1986 does not disclose “a mixture of (6S)
 12 and (6R) diastereoisomers.”

13 **3. “mixture of (6S) and (6R) diastereoisomers”**

14 Plaintiffs contend that Rees 1986 “reported the use of an enzyme, dihydrofolate
 15 reductase, with an appropriate recycling system (to make the enzyme function in a catalytic
 16 reaction) to make an isomerically pure form of the (6S) isomer of leucovorin” and “produced
 17 910 milligrams (less than 1 gram) of pure (6S) leucovorin.” (Pls.’ Mot. for Summ. J. 9:21–24).
 18 Plaintiffs further contend that Defendant does not have evidence to show that Rees 1986
 19 disclosed the “mixture of (6S) and (6R) diastereoisomers” recited in the ’829 Patent claims. (*Id.*
 20 13:13–18). Additionally, Plaintiffs assert that Defendant’s expert, Dr. Jones, admitted that
 21 Rees 1986 disclosed a single product. As support, Plaintiffs provide an excerpt from the
 22 deposition of Dr. Jones:

23 Q. Can you read that sentence aloud?

24 A. “Reverse phase HPLC cleanly separated the diastereoisomer as
 25 formed in non-enzymic reduction; whereas, the product of reduction
 catalyzed by dihydrofolate reductase was a single peak (Figure 1b).”

1 Q. So the authors of Rees '86 actually indicated that it's a single
2 product; right?
3 A. Yes, they have.
4 Q. Okay. And one of ordinary skill in the art reading that sentence
5 would understand the reference to a single peak to mean a single
6 product; right?
7 A. Yes.
8 ...
9 Q. Now, the -- in the next sentence, can you read that one aloud?
10 A. "Confirmation of the analysis was obtained using NMR at 250
11 megahertz (Figure 2); the striking differences are to be seen in
12 protons near to the napthyl group a, b, c, d."
13 Q. And the confirmation that's referred to in that sentence is the
14 confirmation that it was a single peak; right?
15 A. Not that it was a single peak but that it was a single product,
16 yeah.

17 (Id. 12:20–13:11 (quoting Ex. 2 to Decl. of Amanda K. Antons at 5–6, ECF No. 237–2)).

18 Moreover, Plaintiffs assert that, although Defendant "contends the shoulder in Figure 1b is
19 clear-and-convincing evidence that the product of Rees 1986 was 'a mixture' of (6S) and (6R)
20 leucovorin diastereoisomers," it "has no evidence to support this contention." (Id. 13:13–18).
21 To support this assertion, Plaintiffs provide an excerpt from the deposition of Defendant's
22 invalidity expert, Dr. Martin:

23 Q. The HPLC in Rees '86, that's figure 1B –
24 A. Okay.
25 Q. -- you argue that the shoulder next to the enzymatic peak is a
derivatized form of 6R; right?
A. **I think I said it could be.** I think I said that the retention time of
that peak is consistent with its being the R, but on the basis of an
LC trace, just on that basis, **it's not possible to conclude** -- well, on
that -- the basis of that alone, it's not possible to identify what that
is other than to say it has a retention time consistent with its being
6R.
Q. Right. So it -- the retention time is consistent with the 6R peak,
but you can't exclude the possibility that it's something else, can
you?
A. No.
...

1 Q. You're saying that the two pieces of evidence, figure -- figure
 2 1B and figure 2 in Rees '86, suggest that the shoulder may be the
 3 6R isomer; right?
 4

5 **A. It -- it may be, could be.**
 6

7 Q. But not conclusively that it is.
 8

9 A. No, I can't be -- I mean the -- the -- there's really not -- the -- the
 10 peaks are not large enough in the NMR spectrum for one to be
 11 totally certain. It just -- everything -- these two pieces of
 12 information are consistent with that being R.
 13

14 (Id. 13:18–14:7 (quoting Ex. 3 to Decl. of Amanda K. Antons at 14–16, ECF No. 237–3)).
 15

16 Finally, Plaintiffs assert that the applicants of the '829 Patent overcame rejections based on
 17 Rees 1986 "by showing that Rees 1986 made pure (6S) leucovorin: no (6R) leucovorin was
 18 present." (Id. 14:11–15).
 19

20 On the other hand, Defendant asserts that it "has offered clear and convincing evidence
 21 from expert analyses of the prior art data and the principles of chemistry that Rees 1986
 22 produced some (6R) diastereoisomer." (Def.'s Resp. at 17). As support, Defendant cites the
 23 Opening Expert Report of Dr. Martin, asserting that Figure 1b of Rees 1986 (the HPLC
 24 chromatogram) "shows a shoulder immediately to the right of the main peak" and "[t]he
 25 shoulder . . . elutes at the same location as the (6R) diastereoisomer in the chromatogram of the
 (6R,S) mixture, and it conforms to the retention time that one would expect for (6R)
 diastereoisomer." (Ex. 1 to Decl. of Stephen F. Martin ¶ 144, ECF No. 246–1). Additionally,
 Dr. Martin opines that Figure 2 of Rees 1986 (the NMR spectra):

26 reveals the presence of very small peaks, which do not have the
 27 random appearance of noise, at a chemical shift to the right of the
 28 "b" protons. Based upon the (6R,S) spectrum, this position is
 29 exactly where one of ordinary skill in the art would expect a signal
 30 from the (6R) diastereoisomer. . . . The appearance of these small
 31 peaks to the right of the "b" peak thus supports identification of the
 32 shoulder in the HPLC chromatogram as being the (6R) isomer.
 33

34 (Id. ¶ 145). Moreover, Dr. Martin opined "that Rees 1986 . . . [does] not disclose entirely pure
 35

1 (6S) diastereoisomer, but instead disclose[s] a product having approximately 99% purity.” (*Id.*
 2 ¶ 152). As additional support, Defendant cites to Dr. Jones’ deposition testimony,
 3 acknowledging “the Rees 1986 authors called their figure a ‘single peak,’ but ‘*for them to say*
 4 *that it is a single peak is incorrect because it is not a single peak. It is a peak with a small*
 5 *shoulder on it.*’” (Def.’s Resp. at 13 (quoting Ex. 8 to Decl. of John Lanham at 6)).
 6 Additionally, Dr. Jones testified “[t]his is a blow-up of the enzymic product derivative from
 7 figure 2 of the Rees paper … And if one looks underneath the right-hand doublet that has been
 8 superimposed from the top spectrum representing (6R), you can see that there is a tiny doublet
 9 underneath it corresponding, in my view, to the 2 percent of the (6R) enantiomer of the
 10 enzymic product.” (*Id.* at 7).

11 The Court finds that factual issues remain about whether Rees 1986 discloses “a mixture
 12 of (6S) and (6R) diastereoisomers. Because there are genuine issues of material fact of what
 13 Rees 1986 teaches, the Court denies summary judgment on whether Rees 1986 anticipates the
 14 disputed claims. Finally, because the Court finds that genuine issues of material fact exist
 15 regarding anticipation in light of Rees 1986, the Court also finds that genuine issues of material
 16 fact exist regarding obviousness in light of Rees 1986. *See Connell v. Sears, Roebuck & Co.*,
 17 722 F.2d 1542, 1548 (“a disclosure that anticipates under § 102 also renders the claim invalid
 18 under § 103, for ‘anticipation is the epitome of obviousness’”).

19 C. Plaintiffs’ Motion for Summary Judgment of No Inequitable Conduct

20 Plaintiffs assert it is entitled to summary judgment of no inequitable conduct.
 21 Inequitable conduct occurs when the patent applicant fails to disclose material information, or
 22 submits false material information, with an intent to deceive the United States Patent and
 23 Trademark Office (“PTO”). *Kingsdown Med. Consultants, Ltd. v. Hollister Inc.*, 863 F.2d 867,
 24 872 (Fed. Cir. 1988); *see also* 37 C.F.R. § 1.56 (“Each individual associated with the filing and
 25 prosecution of a patent application has a duty of candor and good faith in dealing with the

1 [Patent] Office, which includes a duty to disclose to the Office all information known to that
2 individual to be material to patentability as defined in this section.”). Inequitable conduct is an
3 equitable defense to patent infringement that, if proved, bars enforcement of a patent.

4 *Therasense, Inc. v. Becton, Dickinson & Co.*, 649 F.3d 1276, 1287 (Fed. Cir. 2011) (en banc).
5 “To prove inequitable conduct, the challenger must show by clear and convincing evidence that
6 the patent applicant (1) misrepresented or omitted information material to patentability, and (2)
7 did so with the specific intent to mislead or deceive the PTO.” *In re Rosuvastatin Calcium*
8 *Patent Litig.*, 703 F.3d 511, 519 (Fed. Cir. 2012) (citing *Therasense*, 649 F.3d at 1287).
9 Furthermore, “materiality and intent must be separately established.” *Id.*

10 The facts are relatively undisputed. The original application of the ’829 Patent was filed
11 on September 2, 1987 and was issued on December 31, 2002, following a series of continuation
12 applications. (See U.S. Patent No. 6,500,829). The ’829 Patent issued with fourteen (14)
13 claims. (*Id.*). On both July 25, 1994 and April 18, 1995, the prosecuting attorney, Stephen
14 Bodenheimer, filed a Continuation Application. (Ex. 1 to Decl. of John Lanham at 19–26, ECF
15 No. 247–1). For each Continuation Application, Mr. Bodenheimer counted Claim 40, which
16 eventually became Claim 13 of the ’829 Patent, as a dependent claim for fee-calculation
17 purposes. (See *id.* at 20, 24). Additionally, each Continuation Application authorized the PTO
18 to charge additional fees or credit any overpayment. (*Id.*).

19 Moreover, on March 10, 1997, Mr. Bodenheimer filed an amendment to amend Claim
20 40, changing the first word from “The” to “A.” (*Id.* at 27). Mr. Bodenheimer stated the
21 amendment was to “correct minor informalities,” but the amendment was rejected by the PTO
22 as “not necessary.” (*Id.* at 28). Furthermore, on August 29, 2012, counsel for Plaintiff
23 Spectrum, Andrew Lawrence, filed a Request for Certificate of Correction with the PTO to
24 change the first word of Claim 13 from “The” to “A.” (See Ex. 22 to Decl. of John Lanham,
25 ECF No. 247–22). In the Request, Mr. Lawrence stated “[t]he errors now sought to be

1 corrected are inadvertent typographical errors the correction of which does not involve new
 2 matter or require reexamination.” (*Id.* at 3). Mr. Lawrence also stated “[t]he amendment
 3 confirms that claim 13 should be construed as being directed to an independent invention than
 4 that recited in claims 10 and 11.” (*Id.*). The Certificate of Correction was granted on October 2,
 5 2012. (*See* U.S. Patent No. 6,500,829).

6 Defendant asserts that Plaintiffs committed inequitable conduct before the PTO by
 7 designating Claim 13 as dependent for fee-calculation purposes and for requesting the
 8 Certificate of Correction of Claim 13. (*See* Def.’s Resp. at 24–36).

9 1. Materiality

10 The party alleging inequitable conduct may prove the materiality prong in one of two
 11 ways. Most commonly, the party attempts to establish “but-for materiality” by providing
 12 “proof that the patentee withheld or misrepresented information that, in the absence of the
 13 withholding or misrepresentation, would have prevented a patent claim from issuing.” *Ohio*
 14 *Willow Wood Co. v. Alps S., LLC*, 735 F.3d 1333, 1345 (Fed. Cir. 2013). Alternatively, a court
 15 will presume materiality where the party alleging inequitable conduct proves that “the patentee
 16 has engaged in affirmative acts of egregious misconduct, such as the filing of an unmistakably
 17 false affidavit.” *Therasense*, 649 F.3d at 1292.

18 i. But-for Materiality

19 First, Plaintiffs assert that “but-for” materiality cannot be shown in regards to the
 20 determination and payment of filing fees during the prosecution of the ’829 Patent because
 21 “[t]his Court has determined that claim 13 is a dependent claim,” and “the appropriate fee with
 22 respect to application claim 40 (which became ’829 patent claim 13) was for a dependent
 23 claim.” (Pls.’ Mot. for Summ. J. 33:22–24). Additionally, Plaintiffs assert that “***nothing*** was
 24 withheld” from the PTO. (Pls.’ Reply 17:11). More specifically, Plaintiffs assert that the “PTO
 25 had the claims, and the ability—indeed, Mr. Bodenheimer’s express permission—to charge him

1 additional fees for any underpayment.” (*Id.* 17:11–12). On the other hand, Defendant asserts
 2 that “Mr. Bodenheimer’s representations regarding the number of independent claims in the
 3 ’829 patent were a ‘but-for’ cause for Claim 13 issuing without an additional fee.” (Def.’s
 4 Resp. at 33).

5 The Court finds that “but-for” materiality cannot be shown in regards to the
 6 determination and payment of filing fees during the prosecution of the ’829 Patent. Plaintiffs
 7 correctly acknowledge that “Claim 13 is, and always was, a dependent claim.” (Pls.’ Reply
 8 16:17). When Mr. Bodenheimer determined and paid the filing fees, representing Claim 13 as
 9 a dependent claim, the PTO issued Claim 13 as a dependent claim. Indeed, this Court held in
 10 its Claim Construction Order that Claim 13 was a dependent claim. Therefore, Mr.
 11 Bodenheimer’s determination and payment of filing fees was not a “but-for” cause of the PTO
 12 issuing Claim 13 as an independent claim—Claim 13 is, and always was, a dependent claim.

13 Second, Plaintiffs assert that “but-for” materiality cannot be shown in regards to the
 14 Certificate of Correction of Claim 13 of the ’829 Patent because “Claim 13 was no more an
 15 independent claim before the correction than after as this Court found in its claim construction
 16 order.” (Pls.’ Reply 19:23–24). Accordingly, Plaintiffs conclude “[b]ut-for materiality simply
 17 does not fit this scenario.” (*Id.* 19:24–25). Conversely, Defendant asserts “Mr. Lawrence’s
 18 certification that the requested change was suitable for a Certificate of Correction under 35
 19 U.S.C. § 255 was the ‘but-for’ cause of the Certificate of Correction being issued.” (Def.’s
 20 Resp. at 36).

21 The Court finds that “but-for” materiality cannot be shown in regards to the Certificate
 22 of Correction of Claim 13 of the ’829 Patent. The PTO had all the information it needed,
 23 including the prosecution history detailing Mr. Bodenheimer’s similar amendment that was
 24 rejected, to make an informed determination to either grant or deny the Certificate of
 25 Correction; nothing was withheld. Moreover, Mr. Lawrence disclosed his intentions in the

1 Request by stating “[t]he amendment confirms that claim 13 should be construed as being
 2 directed to an independent invention than that recited in claims 10 and 11.” (Ex. 22 to Decl. of
 3 John Lanham at 3, ECF No. 247–22). Finally, the Certificate of Correction did not change the
 4 scope of Claim 13 from dependent to independent. (See Ct.’s Claim Construction Order at
 5 37:13–14, ECF No. 199 (holding that Claim 13 is a dependent claim)).

6 **ii. Affirmative Egregious Misconduct**

7 First, Plaintiffs assert that affirmative egregious misconduct cannot be shown in regards
 8 to the determination and payment of filing fees during the prosecution of the ’829 Patent
 9 because “there was no misrepresentation; all the required information was presented to and
 10 reviewed by the PTO.” (Pls.’ Mot. for Summ. J. 34:8–10). Conversely, Defendant asserts that
 11 the signed statement submitted by Mr. Bodenheimer regarding filing fees were “forms of false
 12 declaration” akin to the “unmistakably false affidavits” mentioned in *Therasense*. (Def.’s Resp.
 13 at 31–32). However, Plaintiffs contend that “affidavits and declarations are written sworn
 14 statements made under oath,” and “[f]ee-calculation worksheets are not ‘forms of declarations,’
 15 they are PTO forms.” (Pls.’ Reply 18:1–3).

16 The Court finds the Federal Circuit’s decision in *Network Signatures Inc. v. State Farm*
 17 *Mut. Auto. Ins. Co.* particularly instructive on this issue. 731 F.3d 1239 (Fed. Cir. 2013). In
 18 *Network Signatures*, State Farm asserted that the patent at issue was unenforceable on the
 19 ground that the patentee engaged in inequitable conduct by falsely misrepresenting to the PTO
 20 that the patentee’s non-payment of the maintenance fee was unintentional. *Id.* at 1240.
 21 Additionally, State Farm asserted that the delay in payment of the maintenance fee was not
 22 unintentional because the patentee paid the fee only after learning of commercial interest in the
 23 patent at issue. *Id.* at 1241. The Federal Circuit affirmed the district court’s holding that the
 24 patentee’s statements to the PTO regarding the delayed payment of the maintenance fee did not
 25 rise to the level of affirmative egregiousness of the cases *Therasense* references. *Id.* at 1242.

1 Moreover, while holding that the patentee's conduct did not constitute inequitable conduct, the
 2 Circuit instructed “[o]n matters unrelated to the substantive criteria of patentability, but within
 3 the authority of the Director, ‘it is almost surely preferable for a reviewing court not to involve
 4 itself in the minutiae of Patent Office proceedings and to second-guess the Patent Office on
 5 procedural issues at every turn.’” *Id.* at 1243 (quoting *Laerdal Med. Corp. v. Ambu, Inc.*, 877 F.
 6 Supp. 255, 259 (D. Md. 1995)). Finally, the Circuit held “[w]e have recognized an
 7 ‘unwillingness to extinguish the statutory presumption of validity’ where the patentee’s conduct
 8 ‘did not affect the issuance of the patent.’” *Id.* at 1243–44 (quoting *Therasense*, 649 F.3d at
 9 1291).

10 The Court finds that Mr. Bodenheimer’s determination and payment of filing fees do not
 11 rise to the level of affirmative egregiousness cited in *Therasense*, including perjury, the
 12 manufacture of false evidence, and the suppression of evidence. *See, e.g., Keystone Driller Co.*
 13 *v. Gen. Excavator Co.*, 290 U.S. 240, 243 (1993); *Hazel-Atlas Glass Co. v. Hartford-Empire*
 14 *Co.*, 322 U.S. 238, 240 (1944), overruled on other grounds by *Standard Oil Co. v. United*
 15 *States*, 429 U.S. 17 (1976); *Precision Instrument Mfg. Co. v. Auto. Maint. Mach. Co.*, 324 U.S.
 16 806, 816–20 (1945). The Court is unwilling “to involve itself in the minutiae of Patent Office
 17 proceedings and to second-guess the Patent Office on procedural issues at every turn.” *Network*
 18 *Signatures*, 731 F.3d at 1243 (internal quotations omitted). Likewise, Mr. Lawrence’s
 19 representations in the Request for Certificate of Correction do not constitute affirmative
 20 egregious misconduct.

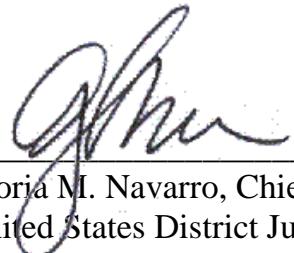
21 Accordingly, Plaintiffs’ are entitled to summary judgment of no inequitable conduct
 22 because Defendant cannot raise a genuine factual dispute that Plaintiffs misrepresented or
 23 omitted information material to patentability. Because a genuine issue of material fact does not
 24 exist regarding materiality, the Court need not analyze whether Plaintiffs acted with specific
 25 intent to deceive.

1 **IV. CONCLUSION**

2 **IT IS HEREBY ORDERED** that Defendant's Motion for Summary Judgment of Non-
3 Infringement of Claims 5-9 is **GRANTED**. Defendant does not infringe Claims 5-9 of the
4 '829 Patent either literally or under the doctrine of equivalents.

5 **IT IS FURTHER ORDERED** that Plaintiffs' Motion for Summary Judgment is
6 **GRANTED in part and DENIED in part**. Plaintiffs are not entitled to summary judgment of
7 no invalidity in light of Rees 1986. Whether the '829 Patent is invalid as anticipated or obvious
8 in light of Rees 1986 remain as issues for trial. Additionally, Plaintiffs are entitled to summary
9 judgment of no inequitable conduct.

10 **DATED** this 29th day of December, 2014.

11
12
13 

14 Gloria M. Navarro, Chief Judge
United States District Judge
15
16
17
18
19
20
21
22
23
24
25